

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number  
**WO 2005/006258 A1**

(51) International Patent Classification<sup>7</sup>: **G06T 17/50**,  
G01C 21/30

Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA  
(GB).

(21) International Application Number:  
PCT/IB2004/002236

(74) Agent: **WILLIAMSON, Paul, L.**; c/o Philips Intellectual  
Property & Standards, Cross Oak Lane, Redhill, Surrey  
RH1 5HA (GB).

(22) International Filing Date: 2 July 2004 (02.07.2004)

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0316168.4 10 July 2003 (10.07.2003) GB

(71) Applicant (*for all designated States except US*): **KONIN-  
KLJKE PHILIPS ELECTRONICS N.V.** [NL/NL];  
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

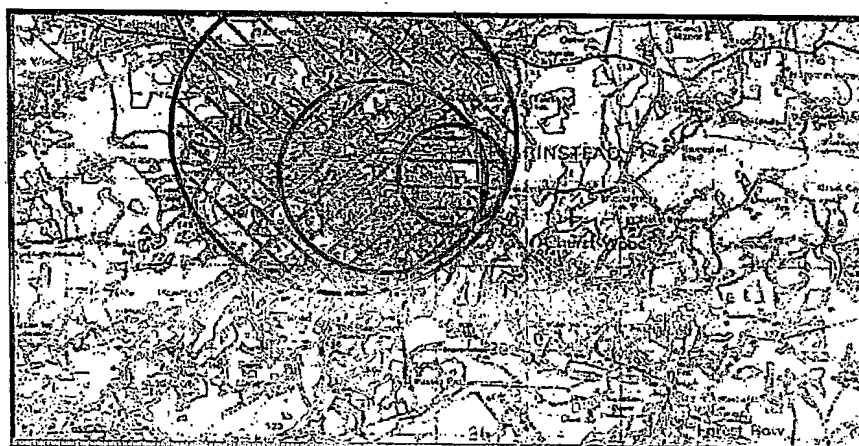
(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **DOOLEY, Saul, R.**  
[GB/GB]; c/o Philips Intellectual Property & Standards,  
Cross Oak Lane, Redhill, Surrey RH1 5HA (GB). **YULE,  
Andrew, T.** [GB/GB]; c/o Philips Intellectual Property &

[Continued on next page]

(54) Title: A METHOD OF GENERATING A MAP DISPLAY FOR A GRAPHICAL USER INTERFACE



(57) Abstract: A method of generating a map display for a graphical user interface (GUI) comprising the steps of displaying a map, highlighting a first area on the map surrounding a first position fix wherein the size of the area corresponds to the accuracy of the first position fix and highlighting a second area on the map surrounding a second position fix wherein the size of the second area corresponds to the accuracy of the second position fix. Either (a) when the first and second areas overlap, either (i) the one corresponding to the most recent or accurate position fix is displayed on top of the other or (ii) the highlighting of the overlapping area is different from that of those parts of the first and second areas which do not overlap, or (b) the manner in which at least one of the position fixes is obtained is indicated by the colour of the highlight. The area highlighted on the map surrounding the position fix may be a shape other than a circle.

BEST AVAILABLE COPY

WO 2005/006258 A1

**Declaration under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ,

BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.